

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------------------|------------------|---------|---------------------|
| S1 | 4 | "5953432" | US-PGPUB; USPAT | OR | OFF | 2007/11/15 16:29 |
| S2 | 27 | "5233664" | US-PGPUB; USPAT | OR | OFF | 2007/11/15 16:29 |
| S3 | 0 | wo-200123104-\$.did. | US-PGPUB; USPAT | OR | OFF | 2007/11/15 16:30 |
| S4 | 1 | wo-200123104-\$.did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2007/11/15 16:30 |
| S5 | 2 | "20070165878" | US-PGPUB; USPAT; DERWENT | OR | OFF | 2007/11/15 16:30 |
| S6 | 165 | weight\$3 and 381/104 | US-PGPUB; USPAT | OR | OFF | 2007/11/15 16:50 |
| S7 | 20 | (weight\$3 same direct \$4) and 381/104 | US-PGPUB; USPAT | OR | OFF | 2007/11/15 17:00 |
| S8 | 16 | (weight\$3 same direct \$4) and 381/335 | US-PGPUB; USPAT | OR | OFF | 2007/11/25 18:38 |
| S9 | 345 | 381/89 | US-PGPUB; USPAT | OR | OFF | 2007/11/25 18:38 |
| S10 | 14 | S9 and weight\$3 and direct\$3 and delay | US-PGPUB; USPAT | OR | OFF | 2007/11/25 18:39 |
| S11 | 19 | ["20020085731" "20030219137" "20050129258" "3617654" "4308423" "4509184" "5043970" "5199075" "5253301" "5561717" "5657391" "5661808" "5677957" "5727066" "5862227" "5870484" "5949894" "6198826" "6363157").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/25 22:45 |
| S12 | 18 | 381/89 and (delay same ("0" or equal)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/25 23:41 |

| | | | | | | |
|-----|-----|--|---|----|-----|---------------------|
| S13 | 29 | 381/89 and (wide same direct\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/26 00:35 |
| S14 | 0 | 381/89 and (bessel near array) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/25 23:43 |
| S15 | 15 | (bessel near array) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/25 23:43 |
| S16 | 4 | 381/89 and (wide same narrow same direct\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/26 01:06 |
| S17 | 16 | konagai-yusuke\$.in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/26 01:13 |
| S18 | 265 | 381/335 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/26 01:13 |
| S19 | 605 | 381/111 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/26 01:13 |
| S20 | 0 | "2001346297" | US-PGPUB; USPAT | OR | OFF | 2008/05/19 14:31 |
| S21 | 1 | "2001346297" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:31 |
| S22 | 2 | "2004000675" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:32 |
| S23 | 5 | "6498852" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:33 |
| S24 | 17 | "5666424" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:33 |
| S25 | 14 | "5930373" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:33 |
| S26 | 26 | "4118601" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:33 |
| S27 | 35 | "3772479" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:34 |

| | | | | | | |
|-----|-----|---|---|----|-----|---------------------|
| S28 | 1 | "20070076905" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:34 |
| S29 | 1 | "20070076905" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:34 |
| S30 | 1 | "2001025084" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:34 |
| S31 | 1 | "2000184488" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:35 |
| S32 | 1 | "2003230071" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2008/05/19 14:35 |
| S33 | 29 | "5233664" | US-PGPUB; USPAT | OR | OFF | 2008/05/19 15:02 |
| S34 | 186 | 381/105 | US-PGPUB; USPAT | OR | OFF | 2008/05/19 15:15 |
| S35 | 132 | S34 and direct\$6 | US-PGPUB; USPAT | OR | OFF | 2008/05/19 15:15 |
| S36 | 601 | 381/77 and direct\$6 | US-PGPUB; USPAT | OR | OFF | 2008/05/19 15:17 |
| S37 | 189 | 381/77 and (direct\$6 same speaker) | US-PGPUB; USPAT | OR | OFF | 2008/05/19 15:18 |
| S38 | 1 | "20020072816" | US-PGPUB; USPAT | OR | OFF | 2008/05/19 16:28 |
| S39 | 30 | (US-20070019831-\$ or US-20070165878-\$ or US-20060182298-\$ or US-20030219137-\$ or US-20070076905-\$ or US-20020072816-\$). did. or (US-7254239-\$ or US-7215788-\$ or US-6181796-\$ or US- 5537479-\$ or US- 5526456-\$ or US- 5233664-\$ or US- 7181033-\$ or US- 6751325-\$ or US- 5953432-\$ or US- 5684879-\$ or US- 5661808-\$ or US- | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2008/05/27 06:24 |

| | | | | | | |
|-----|----|---|-------------------------------------|----|-----|---------------------|
| | | 5657391-\$ or US-6498852-\$ or US-5666424-\$ or US-5930373-\$ or US-4118601-\$ or US-3772479-\$ or US-6954666-\$ or US-6942248-\$ or US-6850623-\$).did. or (JP-2001346297-\$ or JP-2001025084-\$ or JP-2000184488-\$ or JP-2003230071-\$).did. or (WO-200123104-\$).did. | | | | |
| S40 | 13 | wide and S39 | US-PGPUB; USPAT | OR | OFF | 2008/05/27 06:24 |
| S41 | 9 | wide and narrow and S39 | US-PGPUB; USPAT | OR | OFF | 2008/05/27 06:24 |
| S42 | 38 | wide and narrow and 381/89 | US-PGPUB; USPAT | OR | OFF | 2008/05/27 06:28 |
| S43 | 48 | wide and narrow and 381/111 | US-PGPUB; USPAT | OR | OFF | 2008/05/27 06:35 |
| S44 | 1 | (381/58,59).ccls. and (wide same narrow same directiv\$6) | US-PGPUB; USPAT | OR | OFF | 2008/11/12 13:47 |
| S45 | 1 | (381/58,59).ccls. and (wide same narrow same directiv\$6) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/11/12 13:48 |
| S46 | 58 | "381"/\$.ccls. and (wide same narrow same directiv\$6) | US-PGPUB; USPAT; EPO | OR | OFF | 2008/11/12 13:49 |
| S47 | 30 | "5233664" | US-PGPUB; USPAT; EPO | OR | OFF | 2008/11/12 14:32 |
| S48 | 4 | "5953432" | US-PGPUB; USPAT; EPO | OR | OFF | 2008/11/12 14:32 |
| S49 | 0 | wo-200123104-%.did. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/11/12 14:33 |
| S50 | 0 | wo-200123104-\$.did. | US-PGPUB; USPAT; EPO | OR | OFF | 2008/11/12 14:33 |
| S51 | 0 | wo-200123104-\$.did. | US-PGPUB; USPAT; EPO; DERWENT | OR | OFF | 2008/11/12 14:33 |

| | | | | | | |
|-----|----|---|-------------------------------------|----|-----|---------------------|
| S52 | 34 | (US-20070019831-\$ or US-20070165878-\$ or US-20060182298-\$ or US-20030219137-\$ or US-20070076905-\$ or US-20020072816-\$ or US-20040022409-\$). did. or (US-7254239-\$ or US-7215788-\$ or US-6181796-\$ or US-5537479-\$ or US-5526456-\$ or US-5233664-\$ or US-7181033-\$ or US-6751325-\$ or US-5953432-\$ or US-5684879-\$ or US-5661808-\$ or US-5657391-\$ or US-6498852-\$ or US-5666424-\$ or US-5930373-\$ or US-4118601-\$ or US-3772479-\$ or US-6954666-\$ or US-6942248-\$ or US-6850623-\$ or US-7191022-\$ or US-5675655-\$ or US-5793875-\$). did. or (JP-2001346297-\$ or JP-2001025084-\$ or JP-2000184488-\$ or JP-2003230071-\$). did. or (WO-200123104-\$). did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2008/11/19 20:38 |
| S53 | 21 | S52 and delay | US-PGPUB; USPAT | OR | OFF | 2008/11/19 20:38 |

11/20/2008 3:28:00 PM

C:\Documents and Settings\gmonikang\My Documents\EAST\Workspaces\loudspeaker
array audio signal supply app.wsp